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FEB 27 2008

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 38. Canceled.

39. (Newly Added) A serving wireless transmit receive unit (WTRU) for implementing transmission power control for other WTRUs wherein the serving WTRU receives data signals on an uplink dedicated channel (UL DCH) and sporadically receives data signals on an associated uplink shared channel (UL SCH), the serving WTRU comprising:

a receiver for receiving UL user data from another WTRU on an UL DCH and at least one UL SCH;

a processor for computing UL DCH target metrics based on the received user data on the UL DCH associated with the UL SCH used by the other WTRU; and

a shared channel target metric generator configured to output a respective UL SCH target metric derived from each computed UL DCH target metric for use in computing UL channel power adjustments by the other WTRU.

40. (Newly Added) The WTRU of claim 39 in which the target metrics are target signal to interference ratios (SIRs).

41. (Newly Added) The WTRU of claim 40 wherein the SCHs for which SCH target SIRs are generated are High Speed Shared Information Channels (HS-SICHs) which operate in conjunction with High Speed Downlink Shared Channels (HS-DSCHs).

42. (Newly Added) The method for implementing transmission power control by a serving wireless transmit receive unit (WTRU) for other WTRUs wherein the serving WTRU receives data signals on an uplink dedicated channel (UL DCH) and sporadically receives data signals on an associated uplink shared channel (US SCH), the method comprising:

receiving UL user data from other WTRUs on UL DCHs and at least one UL SCH;

computing target metrics for UL DCHs based on the reception of signals transmitted by a WTRU on an UL DCH associated with an UL SCH usable by the WTRU; and

generating a respective UL SCH target metric derived from each computed UL DCH target metric for use in computing UL channel power adjustments by the other WTRU.

43. (Newly Added) The method of claim 42 wherein the computing and generating of target metrics comprises computing and generating of target signal to interference ratios (SIRs).

44. (Newly Added) The method of claim 43 wherein the SCHs for which SCH target SIRs are generated are High Speed Shared Information Channels (HS-

SICHs) which operate in conjunction with High Speed Downlink Shared Channels (HS-DSCHs).